Qtv:

5 Um:

Each

: TUBE ASSEMBLY

· UNDER REVIEW

: D2003041

: 03/06/2008

: B

Date: User: Monday, 02/06/2008 1:54:29 PM

Julie Lecocq

**Process Sheet** 

**Drawing Name** 

**Part Number** 

Material

**Due Date** 

**Drawing Number** 

**Project Number** 

**Drawing Revision** 

Customer

: CU-DAR001 Dart Helicopters Services

Type

Job Number

: 39645

**Estimate Number** 

: 10921

P.O. Number

: 02/06/2008 This Issue

: NC Prsht Rev. : //

First Issue : 38220 **Previous Run** 

Written By

Comment

Checked & Approved By

S.O. No. :

: SMALL /MED FAB

: Est: B 99.11.11 Re-format EC

**Additional Product** 

Job Number:



Seq. #:

**Machine Or Operation:** 

Description: DOCUMENT CONTROL

DC 1.0

Comment: DOCUMENT CONTROL

type labels per PPP D2003-041

M304TR0500W035

304 RD Tube .500 x .035W

Comment: Qty.:

0.5145 f(s)/Unit Total:

2.5725 f(s)

Material:1/2"Æ x 0.035" wall AISI 304 SS tubing

3.0

2.0

M26506

Firesleeve-crkl .375IDia



Comment: Qty.: 0.5250 f(s)/Unit Total:

Material: M2650-6 Heat sleeve

2.6250 f(s)

08-06.04

08.07.10

4.0

MS208198J

Sleeve

Comment: Qty.:

2.0000 Each(s)/Unit

Total:

10.0000 Each(s)

Pick:

**Qty Part Number** 

Description

2 MS20819-8J

Sleeve

08-06-04

(5)

5.0

AN8188J

Nut

Comment: Qty.:

2.0000 Each(s)/Unit Total:

10.0000 Each(s)

Pick:

**Qtv Part Number** 

Description

2 AN818-8J

FF. 0206-04

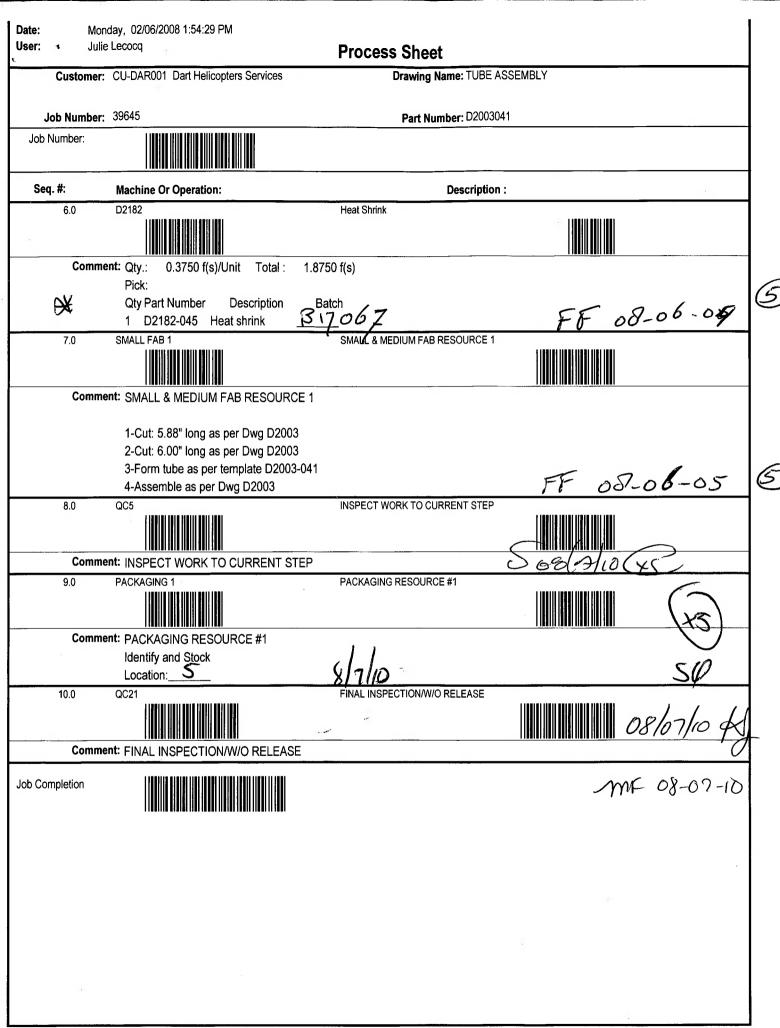
Page 1

Form: rprocess

W/O:	20.5	WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE						Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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Part No:	PAR #:	Fault Category:	NCR: Yes	No	DQA:	Date:	
			QA: N	/C C	losed:	Date:	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B		Verification	Approval	Approval				
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	WORK ORDER O	CHANGES				
STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No:	 _ PAR #:	Fault Category:	_ NCR: Yes No	DQA:	Date:
			QA: N/C	Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC	Corrective Action Section B			Verification	Approval	Approval	
DATE	STEP	Section A	Initial Action Description Chief Eng Chief Eng		Sign & Date	Section C	Chief Eng	QC Inspector	
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DESIG	4	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHEC	KED	APPROVED	DRAWING NO. REV. B
4	10		D2003 SHEET 1 OF 2
DATE	,		TITLE SCALE
99.0	06.08		206 CABIN HEATER TUBE ASSEMBLIES NTS
Α		90.04.09	NEW ISSUE
В		99.06.08	UPDATE PER TEMPLATES; ADD P/N'S; 0.025 TUBING NOW 0.035 (TSR1049)

RELEASED 49.06.03 KE

UNDER REVIEW COME Flot

308.06.02

DAL	TEMPLATE	HEATSLEEVE LENGTH	CUT LENGTH OF TUBE <sup>2</sup>	MS20819-8J SLEEVE	AN818-8J NUT	MS20819-8D SLEEVE	AN818-8D NUT	MS20819-6D SLEEVE	AN818-6D NUT	DESC.	MATERIAL <sup>487</sup>	VENDOR OR SPEC
P/N		5.2	6.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-001	T2003-001 T2003-003	7.3	8.12	ļ			┝	2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-003	T2003-005	9.8	10.62				<del> </del> -	2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-005		20.0	19.63				<u> </u>		2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-007	T2003-007						<u> </u>	2			<del> </del>	
D2003-009	T2003-009	12.38	12.44					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-011	T2003-011	33.31	32.38					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-013	T2003-013	12.7	13.54				<u> </u>	2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-015	T2003-015	17.2	18.00				<u> </u>	2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-017	T2003-017	17.0	16.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-019	T2003-019	9.8	10.62			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-021	T2003-021	N/A	2.25			2	2		L	TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-023	T2003-023	4.5	5.33			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-025	T2003-025	9.8	10.60			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-027	T2003-027	7.25	7.38			2	2	<u> </u>		TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-029	T2003-029	17.2	18.00			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-031	T2003-031	14.6	15.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-033	T2003-033	29.75	29.62	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-035	T2003-035	24.7	27.00	2	2	- 1				TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AiSi 304
D2003-037	T2003-037	24.81	23.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-039	T2003-039	34.0	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-041	T2003-041	6.0	5.88	2	2	ì	060	57.1	0	TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-043	T2003-043	11.7	10.75	2	2	-				TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-045	T2003-045	3.50	2.44	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-047	T2003-047	5.56	5.56	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-049	T2003-049	33.2	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-077	T2003-077	N/A	6.25					1	1	JET	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-101	T2003-101	13.25	13.13					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-101	T2003-107	12.38	12.00	$\neg$				2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-105	T2003-105	10.75	10.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-103	T2003-103	12.75	12.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-107 D2003-109	T2003-107	8.25	8.125			2	2	-		TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-109 D2003-111	T2003-109	4.75	4.625			2	2	<b></b>		TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-111	T2003-111	4.73	4.025							HEATSLEEVE	M2650-20 CRINKLE-SOFT	STRATOFLEX
D2003-116 D2003-120	T2003-116	4.0							<del></del>	HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-120 D2003-14	T2003-120 T2003-14	4.0			$\vdash$				-	HEATSLEEVE	M2650-14 CRINKLE-SOFT	STRATOFLEX
											M2650-14 CRINKLE-SOFT	
D2003-16	T2003-16	4.0								HEATSLEEVE		
D2003-205	T2003-205	9.75	9.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W x	
D2003-207	T2003-207	3.75	3.75					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	ICIN/WWY.TY.20016
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WORK ORDER

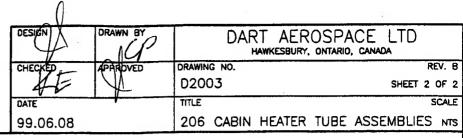
W/O:		WORK ORDER CHANGES	WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE									
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Part No	•	PAR #: Fault Category: NO	R: Yes	No DQ	<b>A</b> :	_ Date:					

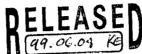
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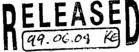
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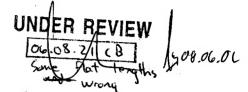






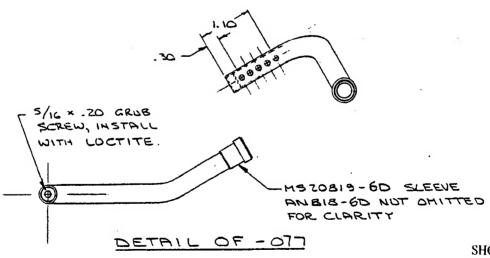






#### Notes:

- (1) USE STRATOFLEX M2650-6 CRINKLE-SOFT HEATSLEEVE.
- (2) TUBING ASSEMBLIES TO BE CUT AND BENT IN ACCORDANCE WITH TEMPLATES.
- (3) TUBES TO BE FLARED 30° TO MATE WITH FITTINGS MADE TO MS33514.
- (4) ENSURE SEAMLESS TUBING IS USED.
- (5) INSTALL HEATSLEEVE OVER ALL TUBES WITH A DESIGNATED LENGTH OF HEATSLEEVE PER THE PARTS LIST.
- (6) 5052 (WW-T-700/4) TUBING MAY BE SUBSTITUTED WHEN 6061 TUBING IS NOT AVAILABLE.
- (7) 0.049 WALL THICKNESS CRES TUBING MAY BE SUBSTITUTED WHEN 0.035 IS NOT AVAILABLE.
- (8) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.



SHOP COPY **RETURN TO ENGINEERING UNCONTROLLED COPY** SUBJECT TO AMENDMENT WITHOUT NOTICE

W/O:		WORK ORDER CHANGES										
DATE	STEP	PF	ROCEDURE CHANG	E		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Part No:	 PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:		
			QA: N/C	closed:	Date:		

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification	Approval	Approval
			Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
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